INFORMATION DISCLOSURE STATEMENT

Atty. Docket No. **UBAT1550**

NOV 2 8 2005

11/29/2005 HLE333 00000007 10774699

01 FC:1806

180.00 OP

Mail Stop Amendment Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Applicant(s) Anatoli V. Melechko

Application Number

Date Filed

10/774,699

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

February 9, 2004

NANOTRANSFER AND NANOREPLICATION **USING DETERMINISTICALLY GROWN** SACRIFICIAL NANOTEMPLATES

Group Art Unit

Examiner

2818

For

Lee, Calvin

Confirmation Number:

7366

Certificate of Mailing Under 37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, <u>VA 22313</u> on November, 25, 2005.

Jøhn J. Bruckner

Applicant respectfully requests, pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, that the reference(s) listed on the attached PTO/SB/08A and/or PTO/SB/08B forms be considered and cited in the examination of the above-identified application. Pursuant to 37 C.F.R. §§ 1.97(g) and (h), no representation is made that a search has been made or that this art is material to the patentability of the present application.

Copies of the [non-US patent] reference(s) is(are) enclosed for the convenience of the Examiner. This Information Disclosure Statement is being filed after mailing of a First Office Action. Applicant hereby requests consideration of this Information Disclosure Statement pursuant to 37 C.F.R. § 1.97(c)(2).

A check in the amount of \$180 representing the fee set forth in 37 CFR § 1.17(p) is enclosed. While Applicants believe no (further) fees are due, if any (further) fees are due, the Commissioner is hereby authorized to charge any fees or credit any overpayments to Deposit Account No. 50-3204 of John Bruckner PC.

Dated: Nov 25 15

5708 Back Bay Lane Austin, TX 78739

Tel. (512) 394-0118 Fax. (512) 394-0119 Respectfully submitted.

John Bruckner PC Attorners for Applicant

hn J∕Bruckner Red. No. 35,816

| INFORMATION DISCLOSURE | | | | | Application Number | 10/774, | 699 | | | | |
|---------------------------------|--------------|---|-----|---|------------------------|--------------------|---------------|--|--|--|--|
| STATEMENT BY APPLICANT | | | | | Filing Date | Februa | ry 9, 2004 | | | | |
| NOV 9 | 8 2005 | ই∫ | | : | First Named Inventor | Anatol | i V. Melechko | | | | |
| 温 "00 2 | Q (UU) | اريع | | | Group Art Unit | 2818 | | | | | |
| TATA TRAN | SUPPLO | */ | | | Examiner Name | Lee, Ca | alvin | | | | |
| Sheet | Sheet 1 of 2 | | | 2 | Attorney Docket Number | UBAT1 | 550 | | | | |
| NON-PATENT LITERATURE DOCUMENTS | | | | | | | | | | | |
| Examiner Initials | Cite No. | Citation | | | | | | | | | |
| | | A. V. Melechko, T. E. McKnight, M. A. Guillorn, V. I. Merkulov, B. Ilic, J. J. Doktycz, D. H. Lowndes, and M. L. Simpson, Applied Physics Letters 82, No. 6, pages 976-978 (February 10, 2003). | | | | | | | | | |
| | | C. K. Harnett, G. W. Coates, and H. G. Craighead, Journal of Vacuum Science & Technology B 19, 2842 (2001). | | | | | | | | | |
| | | P. Kim and C. M. Lieber, Science 286, 2148 (1999). | | | | | | | | | |
| | | V. I. Merkulov, A. V. Melechko, M. A. Guillorn, et al., Applied Physics Letters 79, 2970 (2001). | | | | | | | | | |
| | | A. Bachtold, P. Hadley, T. Nakanishi, and C. Dekker, Science 294, 1317 (2001). | | | | | | | | | |
| | | V. I. Merkulov, D. H. Lowndes, Y. Y. Wei, G. Eres, and E. Voelkl, Applied Physics Letters 76 , 3555 (2000). | | | | | | | | | |
| | | V. I. Merkulov, D.H. Lowndes, Y.Y. Wei, G. Eres, and E. Voelkl, Applied Physics Letters 76, No. 24, pages 3555-3557 (June 12, 2000). | | | | | | | | | |
| | | Z. F. Ren, Z. P. Huang, J. W. Xu, J. H. Wang, P. Bush, M. P. Siegal, and P. N. Provencio, Science 282 , 1105 (1998). | | | | | | | | | |
| | | L. Delzeit, C. V. Nguyen, R. M. Stevens, J. Han, and M. Meyyappan, Nanotechnology 13, 280 (2002). | | | | | | | | | |
| | | M. Chhowalla, K. B. K. Teo, C. Ducati, N. L. Rupesinghe, G. A. J. Amaratunga, A. C. Ferrari, D. Roy, J. Robertson, and W. I. Milne, Journal of Applied Physics 90 , 5308 (2001). M. A. Guillorn, T. E. McKnight, A. Melechko, V. I. Merkulov, P. F. Britt, D. W. Austin, D. H. Lowndes, and M. L. Simpson, Journal of Applied Physics 91 , 3824 (2002). | | | | | | | | | |
| | | | · - | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Examiner Signature | | | | | | Date Considered | | | | | |

PTO/SB/08B (04-03)

| INFORMATION DISCLOSURE | | | | | Application Number | 10/774,699 | | | | | | |
|---------------------------------|-------------|--|---|---|------------------------|--------------------|---------------|--|--|--|--|--|
| STATEMENT BY APPLICANT | | | | | Filing Date | Februa | ry 9, 2004 | | | | | |
| | | | | | First Named Inventor | Anatol | i V. Melechko | | | | | |
| | | | | | Group Art Unit | 2818 | | | | | | |
| | | | | | Examiner Name | Lee, C | alvin | | | | | |
| Sheet | et 2 of 2 | | | 2 | Attorney Docket Number | UBAT1 | UBAT1550 | | | | | |
| NON-PATENT LITERATURE DOCUMENTS | | | | | | | | | | | | |
| Examiner Initials | Cite No. | Citation | | | | | | | | | | |
| | | M. A. Guillorn, A. V. Melechko, V. I. Merkulov, E. D. Ellis, C. L. Britton, M. L. Simpson, D. H. Lowndes, and L. R. Baylor, Applied Physics Letters 79 , 3506 (2001). | | | | | | | | | | |
| | | J. Li, D. Stein, C. McMullan, D. Branton, M. J. Aziz, and J. A. Golovchenko, Nature 412 , 166 (2001). | | | | | | | | | | |
| | | J. Li, D Stein, C. McMullan, D. Branton, M.J. Aziz, and J.A. Golovchenko, Nature, Vol. 412 (July 12, 2001). | | | | | | | | | | |
| | | T. Vo-Di | T. Vo-Dinh, B. Cullum, and G. D. Griffin, Radiation Research 156, 437 (2001). | | | | | | | | | |
| | | C. R. Martin, Science 266 , 1961 (1994). | | | | | | | | | | |
| | | S. A. Miller, V. Y. Young, and C. R. Martin, Journal of the American Chemical Society 123 , 12335 (2001). | | | | | | | | | | |
| | | L. Sun and R. M. Crooks, Journal of the American Chemical Society 122, 12340 (2000). | | | | | | | | | | |
| | | S. L. Zeng, C. H. Chen, J. C. Mikkelsen, and J. G. Santiago, Sensors and Actuators B-Chemical 79 , 107 (2001). | | | | | | | | | | |
| | | Y. Huang, X. F. Duan, Y. Cui, L. J. Lauhon, K. H. Kim, and C. M. Lieber, Science 294 , 1313 (2001). | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | , | | | | | | | | | | |
| | | | | | | | | | | | | |
| Examiner Signature | | | | | | Date Considered | | | | | | |